

REMARKS

Applicant gratefully acknowledges the Examiner's statement that claims 1, 3, 4, 6 and 9-17 contain allowable subject matter. Claim 8 has been amended. No new matter has been included. Claims 1, 3, 4, 6 and 9-17 remain pending in the present application.

Claim 8 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Pain (U.S. Patent No. 5,886,659) in view of Long (U.S. Patent No. 5,811,984), and further in view of Pickering (U.S. Patent No. 5,050,194). The rejection is respectfully traversed.

As mentioned on page 2 of the Advisory Action, claim 8 has been further amended to recite, *inter alia*, a sensor comprising: "an active impedance matching device, said active impedance matching device being adapted to match said output impedance of said image processing portion to said input impedance of said image receiving portion by adjusting a bias current with a current source through at least one biased device in a way that renders said input impedance relatively independent of an input current." Applicant respectfully submits that claim 8 now contains allowable subject matter.

As articulated in the previous Final Office Action dated January 9, 2006, none of the cited references, Pain, Long or Pickering, when considered alone or in combination disclose, teach or suggest an active impedance matching device "being adapted to match [an] output impedance of [an] image processing portion to [an] input impedance of [an] image receiving portion by adjusting a bias current with a current source through at least one biased device in a way that renders said input impedance relatively independent of an input current." (Final Office Action at 6). Accordingly, Applicant respectfully requests that the rejection be withdrawn and the claim allowed.

In view of the above amendment, Applicant believes the pending application is in condition for allowance.

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Respectfully submitted,

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